Author Index

Allemand, D., De Renzis, G. and Payan, P., Effects of $HgCl_2$ on intracellular pH in sea urchin eggs: activation of H^+ excretion and Na^+/H^+ exchange activity, 171

Anderson, R.D., see Hall Jr., L.W., 239

Andersson, T., see Norrgren, L., 307

Ariese, F., Kok, S.J., Verkaik, M., Gooijer, C., Velthorst, N.H. and Hofstraat, J.W., Synchronous fluorescence spectrometry of fish bile: A rapid screening method for the biomonitoring of PAH exposure, 273

den Besten, P.J., Lemaire, P., Livingstone, D.R., Woodin, B., Stegeman, J.J., Herwig, H.J. and Seinen, W., Time-course and dose-response of the apparent induction of the cytochrome P450 monooxygenase system of pyloric caeca microsomes of the female sea star *Asterias rubens* L. by benzo[a]pyrene and polychlorinated biphenyls, 23

Björk, M., see Norrgren, L., 307

Celander, M., see Förlin, L., 41

Crosby, D.G., see Tjeerdema, R.S., 117

De Renzis, G., see Allemand, D., 171

Di Giulio, R.T., Habig, C. and Gallagher, E.P., Effects of Black Rock Harbor sediments on indices of biotransformation, oxidative stress, and DNA integrity in channel catfish, 1

Drewes, C.D., see Rogge, R.W., 73

Fischer, S.A., see Hall Jr., L.W., 239

Förlin, L. and Celander, M., Induction of cytochrome P450 1A in teleosts: environmental monitoring in Swedish fresh, brackish and marine waters, 41

Gallagher, E.P., see Di Giulio, R.T., 1

Gnassia-Barelli, M. and Romeo, M., Some aspects of lead ecotoxicology in the marine environment, 163

Gooijer, C., see Ariese, F., 273

Habig, C., see Di Giulio, R.T., 1

Hahn, M.E., Lamb, T.M., Schultz, M.E., Smolowitz, R.M. and Stegeman, J.J., Cytochrome P4501A induction and inhibition by 3,3′,4,4′-tetrachlorobiphenyl in an Ah receptor-containing fish hepatoma cell line (PLHC-1), 185

Hall Jr., L.W., Fischer, S.A., Killen, W.D., Ziegenfuss, M.C., Anderson, R.D. and Klauda, R.J., Assessing the relationship between critical acidic conditions in Maryland coastal plain streams and predicted mortality of early life stages of migratory fish, 239

Hayton, W.L., see Schultz, I.R., 287

Herwig, H.J., see den Besten, P.J., 23

Hofstraat, J.W., see Ariese, F., 273

Hull, R., see Ruby, S.M., 225

Idler, D.R., see Ruby, S.M., 91

James, M.O., see Li, C.-L.J., 57

Jaroslawski, P., see Ruby, S.M., 225

Kauten, R.J., see Tjeerdema, R.S., 117

Killen, W.D., see Hall Jr., L.W., 239

Klauda, R.J., see Hall Jr., L.W., 239

Kok, S.J., see Ariese, F., 273

Lamb, T.M., see Hahn, M.E., 185

Landrum, P.F., see Lydy, M.J., 209

Lemaire, P., see den Besten, P.J., 23

Li, C.-L.J. and James, M.O., Glucose and sulfate conjugations of phenol, β-naphthol and 3-hydroxybenzo[a]pyrene by the American lobster (*Homarus americanus*), 57

Livingstone, D.R., see den Besten, P.J., 23

Lydy, M.J. and Landrum, P.F., Assimilation efficiency for sediment-sorbed benzo(a)pyrene by *Diporeia* spp., 209

Norrgren, L., Andersson, T. and Björk, M., Liver morphology and cytochrome P450 activity in fry of rainbow trout after microinjection of lipid-soluble xenobiotics in the yolk-sac embryos, 307

Payan, P., see Allemand, D., 171

Pelletier, É., see Rouleau, C., 103

Pratap, H.B. and Wendelaar Bonga, S.E., Effect of ambient and dietary cadmium on pavement cells,

chloride cells, and Na^+/K^+-ATPase activity in the gills of the freshwater teleost *Oreochromis mossambicus* at normal and high calcium levels in the ambient water, 133

Rogge, R.W. and Drewes, C.D., Assessing sublethal neurotoxicity effects in the freshwater oligochaete, *Lumbriculus variegatus*, 73
Romeo, M., see Gnassia-Barelli, M., 163
Rouleau, C., Pelletier, É. and Tjälve, H., The uptake and distribution of $^{203}HgCl_2$ and $CH_3{}^{203}HgCl$ in the starfish *Asterias rubens* after 24-h exposure studied by impulse counting and whole body autoradiography, 103
Ruby, S.M., Idler, D.R. and So, Y.P., Plasma vitellogenin, 17β-estradiol, T_3 and T_4 levels in sexually maturing rainbow trout *Oncorhynchus mykiss* following sublethal HCN exposure, 91
Ruby, S.M., Jaroslawski, P. and Hull, R., Lead and cyanide toxicity in sexually maturing rainbow trout, *Oncorhynchus mykiss* during spermatogenesis, 225

Schlenk, D., A comparison of endogenous and exogenous substrates of the flavin-containing monooxygenases in aquatic organisms, 157
Schultz, I.R. and Hayton, W.L., Toxicokinetics of trifluralin in rainbow trout, 287
Schultz, M.E., see Hahn, M.E., 185
Seinen, W., see den Besten, P.J., 23
Smolowitz, R.M., see Hahn, M.E., 185
So, Y.P., see Ruby, S.M., 91
Stegeman, J.J., see den Besten, P.J., 23
Stegeman, J.J., see Hahn, M.E., 185

Tjälve, H., see Rouleau, C., 103
Tjeerdema, R.S., Kauten, R.J. and Crosby, D.G., Interactive effects of pentachlorophenol and temperature in the abalone (*Haliotis rufescens*) as measured by in vivo ^{31}P-NMR spectroscopy, 117

Velthorst, N.H., see Ariese, F., 273
Verkaik, M., see Ariese, F., 273

Wendelaar Bonga, S.E., see Pratap, H.B., 133
Woodin, B., see den Besten, P.J., 23

Ziegenfuss, M.C., see Hall Jr., L.W., 239